

A SYSTEM AND METHOD FOR COMMUNICATING OVER A WIRELESS TIME-DIVISION DUPLEX CHANNEL

Abstract

According to the present invention, the bandwidth of a TDD channel is increased where multiple slave devices communicate with a master device over the channel. According to an aspect of the present invention, the master device can increase channel bandwidth by utilizing available transmit slots that occur during receipt of a multi-slot packet from a slave device. For example, the master device receives a first packet at a first frequency from a first slave via the channel. The master determines whether the first packet is a multi-slot packet, and if so, transmits a second packet to a second slave via the channel at a second frequency different from the first frequency. The second packet is transmitted after receipt of the first packet, but prior to the end of the first packet.

239F01!.DOC
080101/1321
103003 v1/RE
27H701!.DOC
080101/1321